

REPORT

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THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH
USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

"Immunization with Antigens of Clostridium Perfringens in Lenolin,"
D. I. Zakharina, Leningrad Inst Vaccine and Serum

"Zhurnal Mikroboi, Epidemiol i Immunologii" No 9,
1944, pp 21-3
"American Review of Soviet Medicine" Vol 4, 1947,
pp 403-5

Immunization with antigens of *C. perfringens* in lanolin gave good results in experiments with rabbits. The dry toxin of *C. perfringens* was tried in one series of experiments; toxin was mixed with living or killed bacteria, or with natural anatoxin in another series. Immunization with dry toxin in lanolin with added native anatoxin produced a rise in the antibody content of serum. Dry anatoxin as antigen in itself is half as strong as dry toxin. Native anatoxin alone produced 1/10 the antibodies of its combination with dry toxin and living microorganisms. Addition of living bacteria to dry toxin doubled the titer. There was no appreciable difference between the titers of serums immunized with living or dead bacteria. Best method of immunization consisted of the use of dry toxin plus living microorganisms in lanolin with oil plus native anatoxin. Single re-vaccination increased the amount of antibodies 2-5 times and in individual cases up to 20 times.

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